Ham-Space Digest   Sat, 30 Oct 93   Volume 93 : Issue   71

Today's Topics:
                        Element Tables - NASA
                   STS-58 SAREX signal strength
            Two-Line Orbital Element Set: Space Shuttle

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 29 Oct 93 17:04:28 GMT
From: butch!rapnet!news@uunet.uu.net
Subject: Element Tables - NASA
To: ham-space@ucsd.edu

Is there a site where one can FTP the lastest (most up to date) element
tables? Can they be FTP'ed direct from NASA?

-=Joel=-
 ===
 |~~~~~~|
 | Joel B. Chappell - KC1SG   Lockheed Sanders |
 | Principal Engineer   Nashua, NH 03061 |
 | |
 | -= Standard Disclaimer: All opinions are mine. =- |
 | |
 | jchappel@rapnet.sanders.lockheed.com |
 | Fido: 1:132/204.1 |
 | |
 ~~~~~~

Date: 29 Oct 93 10:51:51 GMT
From: munnari.oz.au!uniwa!anilsson@uunet.uu.net
Subject: STS-58 SAREX signal strength
To: ham-space@ucsd.edu

burke_br@adcae1.comm.mot.com (Bruce Burke Sp App) writes:

>In article 2CCD101C@su19f.ess.harris.com, jhobson@su19f.ess.harris.com (Harv
Hobson) writes:
>}In article <2ahfa0$qj8@access.digex.net> cormackj@access.digex.net (John
Cormack) writes:

> Has anyone
>}ever worked the Shuttle using other than high power and directional
>}antennas?
>}
>}Harv
>}
>I have worked them from my mobile, which admitedly high power at 100 watts.
>I was using a 5/8th vertical. I didn't need the power, but being the rig is a
>commercial unit, I am locked in at that power level. The received signal strength
>was several microvolts.

>Bruce, WB4YUC, el YUCCO. . .

I worked the shuttle with a 1/4wave vertical and a ft470 handheld
running into a 70w linear with GaAsFET preamp. The antenna is mounted on
the gutter and I am surrounded by large trees and buildings :-(. However
I rxed the shuttle at full scale for most of the passes.

There is one major difference between our operating enviroments, In my
The most I would have to compete against on a pass would be about 15
stations.
In fact when I worked Martin KC5AXA a few days ago there was only my
self and one other station!.

The only need for high power is to be on top of the dog pile.

73 de Andrew VK6JBL

Date: Wed, 27 Oct 1993 21:14:52 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
news.umbc.edu!cs.umd.edu!afterlife!blackbird.afit.af.mil!tkelso@network.ucsd.edu

Subject: Two-Line Orbital Element Set: Space Shuttle
To: ham-space@ucsd.edu

The most current orbital elements from the NORAD two-line element sets are
carried on the Celestial BBS, (513) 427-0674, and are updated daily (when
possible). Documentation and tracking software are also available on this
system. As a service to the satellite user community, the most current
elements for the current shuttle mission are provided below. The Celestial
BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using
8 data bits, 1 stop bit, no parity.

Element sets (also updated daily), shuttle elements, and some documentation
and software are also available via anonymous ftp from archive.afit.af.mil
(129.92.1.66) in the directory pub/space.

STS 58
1 22869U   93298.55472636 .00112643 77957-5 20892-3 0   268
2 22869 39.0200 82.8452 0014486 27.9803 332.2039 16.00054624 1094
--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@afit.af.mil   Air Force Institute of Technology

Date: Fri, 29 Oct 1993 18:39:29 GMT
From: amd!amdcl2!brian@decwrl.dec.com
To: ham-space@ucsd.edu

References <jhobson.20.2CCD101C@su19f.ess.harris.com>,
<1993Oct26.161430.19111@lmpsbbs.comm.mot.com>, <2aqsk7$8q6@uniwa.uwa.edu.au>
Subject : Re: STS-58 SAREX signal strength

Andrew Nilsson writes:
> I worked the shuttle with a 1/4wave vertical and a ft470 handheld
> running into a 70w linear with GaAsFET preamp. [from Australia]

This kind of equipment will work in the US too -- I made a packet
contact with the shuttle this morning with 50 watts and a scanner
(discone) antenna on the roof.

   Brian McMinn N5PSS brian.mcminn@amd.com

Date: 29 Oct 93 16:00:01 GMT
From: sdd.hp.com!col.hp.com!jms@hplabs.hp.com
To: ham-space@ucsd.edu

References <jhobson.20.2CCD101C@su19f.ess.harris.com>,
<1993Oct26.161430.19111@lmpsbbs.comm.mot.com>, <2aqsk7$8q6@uniwa.uwa.edu.au>
Subject : Re: STS-58 SAREX signal strength

Andrew Nilsson (anilsson@tartarus.uwa.edu.au) wrote:
: burke_br@adcae1.comm.mot.com (Bruce Burke Sp App) writes:

: >In article 2CCD101C@su19f.ess.harris.com, jhobson@su19f.ess.harris.com (Harv
Hobson) writes:
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Cormack) writes:

: There is one major difference between our operating enviroments, In my
: The most I would have to compete against on a pass would be about 15
: stations.

I don't quite understand the above statement. The shuttle has quite
a view (usually) on the ground. How come only 15 stations?

Mike, K0TER

End of Ham-Space Digest V93 #71
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